



OFF

PATENT APPLICATION

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ivan BELLA et al.

Group Art Unit: 2121

Application No.: 09/881,746

Filed: June 18, 2001

Docket No.: 129130

For: SCALEABLE OBJECT RECOGNITION WITH A BELIEF MODEL

**TRANSMITTAL OF GENERAL POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR § 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignee.

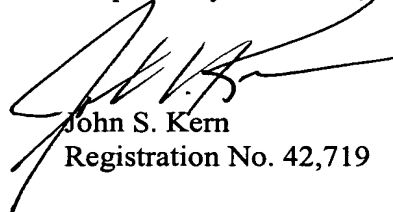
In compliance with 37 CFR §3.73(b), the undersigned hereby states that LOCKHEED MARTIN CORPORATION is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent application identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013601, Frame 0976. A copy of the assignment is attached hereto.

The undersigned is authorized to act on behalf of the assignee.

In accordance with 37 CFR §1.36(a), submission of this Power of Attorney revokes any powers of attorney previously given.

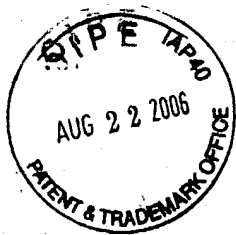
**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

Respectfully submitted,


John S. Kern
Registration No. 42,719

JSK/dxc

Date: August 22, 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GENERAL POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Owner Name: LOCKHEED MARTIN
CORPORATION

hereby appoints the patent practitioners associated with Oliff & Berridge, PLC Customer No. 25944 as attorneys of record to prosecute any and all patents and patent applications in which this General Power of Attorney is filed, and all continuations and divisions thereof, owned in whole or in part by the above-named owner, and to transact all business in the Patent and Trademark Office.

The undersigned is authorized to execute this document as or on behalf of the owner.

**ALL CORRESPONDENCE SHOULD BE SENT TO OLIFF & BERRIDGE, PLC,
CUSTOMER NO. 25944, TELEPHONE (703) 836-6400.**

8/12/06
Date

[Signature]
Signature

Typed Name: Richard Elias, Esquire

Title: Associate General Counsel-IP
(if acting on behalf of an Owner)

APRIL 25, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

VENABLE
RALPH P. ALBRECH
P.O. BOX 34385
WASHINGTON, DC 20043-9998



102323003A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/19/2002

REEL/FRAME: 013601/0976

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HOOD, CHRISTOPHER

DOC DATE: 12/12/2002

ASSIGNOR:

BELLA, IVAN

DOC DATE: 12/13/2002

ASSIGNEE:

LOCKHEED MARTIN MISSION SYSTEMS
700 NORTH FREDERICK AVENUE
GAITHERSBURG, MARYLAND 20879

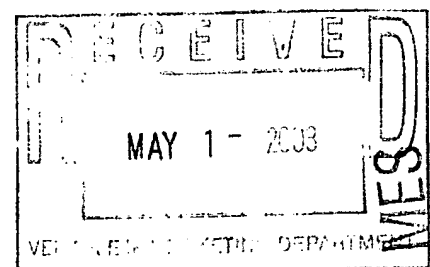
SERIAL NUMBER: 09881746

FILING DATE: 06/18/2001

PATENT NUMBER:

ISSUE DATE:

SEDLEY PYNE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



12-27-2002

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)



102323003

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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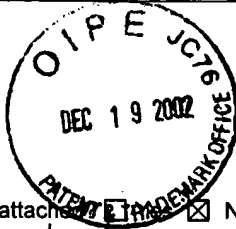
Atty Docket: 37005-171895

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Christopher Hood

Ivan Bella

Additional name of conveying party(ies) attached ☒ Yes ☐ No

12/19/02

2. Name and address of receiving party(ies)

Name: LOCKHEED MARTIN MISSION SYSTEMS

Internal Address: _____

Street Address: 700 North Frederick Avenue

City: Gaithersburg State/Country: MD

Zip: 20879

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: December 12 & 13, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application by the first named inventor is:

A. Patent Application No.(s)

09/881,746

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:



26694

PATENT TRADEMARK OFFICE

Name: VENABLE

Address: P.O. Box 34385

City: Washington

State: D.C.

Zip: 20043-9998

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

22-0261

(Attach duplicate copy of this page if paying by deposit account)

12/26/2002 6TON11 00000100 09881746

DO NOT USE THIS SPACE

01 FC:8021 40.00 OP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ralph P. Albrecht

Name of Person Signing

Signature

December 19, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231VENABLE
ATTORNEYS AT LAW

PC Docs No. 422769v1

WHEREAS Ivan Bella of 8225 Hilton Road, Gaithersburg, Maryland 20882, and Christopher Hood of 8212 Redwing Court, Frederick, Maryland 21701, hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to "SCALEABLE OBJECT RECOGNITION WITH A BELIEF MODEL," which said assignor has caused an application for United States Letters Patent to be prepared,

[x] said U.S. Patent Application having been filed in the United States Patent and Trademark Office on June 18, 2001, as US Patent Application Serial Number 09/881,746, and claims priority to US Provisional Patent Application Serial Number 60/212,050, as filed on June 16, 2000;

WHEREAS Lockheed Martin Mission Systems of 700 North Frederick Avenue, Gaithersburg, Maryland 20879, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof, effective as of June 18, 2001, the filing date of the related Patent Cooperation Treaty (PCT) Application Serial Number PCT/US01/19446;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this 12 day of December, 2002

ASSIGNOR:

Signature: _____
Name: Ivan Bella

WITNESS:

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: Christopher Hood
Name: Christopher Hood

WITNESS:

Signature: Judy L. Dore
Name: JUDY L. DORE
Address: 700 N. FREDERICK AVE
GAITHERSBURG, MD 20879

WHEREAS Ivan Bella of 8225 Hilton Road, Gaithersburg, Maryland 20882, and Christopher Hood of 787 Wembly Drive, Frederick, Maryland 21701, hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to "SCALEABLE OBJECT RECOGNITION WITH A BELIEF MODEL," which said assignor has caused an application for United States Letters Patent to be prepared,

[x] said U.S. Patent Application having been filed in the United States Patent and Trademark Office on June 18, 2001, as US Patent Application Serial Number 09/881,746, and claims priority to US Provisional Patent Application Serial Number 60/212,050, as filed on June 16, 2000;

WHEREAS Lockheed Martin Mission Systems of 700 North Frederick Avenue, Gaithersburg, Maryland 20879, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof, effective as of June 18, 2001, the filing date of the related Patent Cooperation Treaty (PCT) Application Serial Number PCT/US01/19446;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this 13 day of December, 2002

ASSIGNOR:

Signature: Ivan Bella
Name: Ivan Bella

ASSIGNOR:

Signature: _____
Name: Christopher Hood

WITNESS:

Signature: Paulomi Nanavaty
Name: PAULOMI NANAVATY
Address: 555 Quince Orchard Rd
Gaithersburg MD 20878 NOTARY PUBLIC

WITNESS:

Signature: _____
Name: _____
Address: _____

December 19, 2002
Filing Date

Atty. Docket No.:	37005-171895		
Re:	SCALEABLE OBJECT RECOGNITION WITH A BELIEF MODEL		
Application No.:	09/881,746	Filing Date:	June 18, 2001
Patent No.:		Issue Date:	
Trademark:		Trademark Reg. No.:	
/Cancellation No.:			

The following items were received from Venable
Washington, D.C., by the U.S. Patent & Trademark Office:

U.S. PTO FEES ENCLOSED

	Transmittal Letter
	New U.S. Patent/Design/Application (___ pages of specification/claims
	Formal Drawings (___ Sheets)
	Invention Declaration
	National Stage Application
	Translation of International Application
	New U.S. TM Application (___ specimens)
	Rule 53(d) Continuation or Division Application
	Application (in Duplicate) (attach copy of specification, claims, drawings & declaration)
	Priority Document-Cert. Copy of ___
	Appln. # ___
	Date ___
X	Assignment w/ Cover Sheet
	IDS w/ PTO – 1449 (___ references)
	Response
	Amendment
	Petition/Request for Extension of Time
	Notice of Appeal
	Appeal Brief (in triplicate)
	Request for Oral Hearing
	Confirmation of Hearing Petition
	Issue Fee Transmittal
	Certificate of Correction
	Maintenance Fee Transmittal
	TM Statement of Use
	Declaration Under 8
	Declaration Under 8 and 15
	TM renewal Application
	Notice of Opposition
	Request for Corrected Filing Receipt
	Terminal Disclaimer
	Request for Non-Publication
	Request to Rescind Non-Publication Request

_____	Filing Fee
_____	Surcharge Fee
_____	Additional Claim Fee
\$40.00	Recordation/Indexing Fee
_____	IDS Fee
_____	Extension Fee
_____	Notice of Appeal Fee
_____	Brief on Appeal Fee
_____	Oral Hearing Request Fee
_____	Petition Fee
_____	Issue Fee
_____	Maintenance Fee
_____	TM Statement of Use
_____	8 Affidavit Fee
_____	8 and 15 Affidavit
_____	TM Renewal Application Fee
_____	Notice of Opposition Fee
\$	Total Fees Paid

X Check No. 413120 Attached
Charge Deposit Account No. 22-0261